INTERNATIONAL SEARCH REPORT

International application No.

A. CLA	SSIFICATION OF SUBJECT MATTER		PCT/US04/1864	2		
IPC(7) : B01L 3/02, 3/00, 11/00; G01N 21/00, 1/18, 1/10						
1 US CL : 422/100, 102, 103, 81: 436/180, 179, 72/962 pm, 066 pm, 066						
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED						
Minimum do U.S. : 4	ocumentation searched (classification system follower 422/100, 102, 103, 81; 436/180, 178; 73/863.72, 863	d by classification sym	bols)			
		3.73, 863.84, 863.86				
Documentati	on searched other than minimum I					
	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic da	ata base consulted during the international second (
Please See C	ata base consulted during the international search (national search (national)	me of data base and, w	here practicable, sea	arch terms used)		
C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where	appropriate, of the rele	evant nassages	Polometer de la v		
X, P	US 6,644,944 B2 (KARP)11 November 2003, enti	re document	o raite passages	Relevant to claim No. 1, 2-3, 6, 7-12, 14, 16-		
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				51, 58, 59, 64, 68-71,		
				74, 77, 82-102, 104, 106-112, 119-121, 127-		
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Further	decuments are lived in the					
* St	documents are listed in the continuation of Box C.		family annex.			
		"T" later docume	ent published after the inte	rnational filing date or priority ation but cited to understand the		
of particul	defining the general state of the art which is not considered to be ar relevance	principle or	theory underlying the inve	ention		
"E" earlier app	olication or patent published on or after the international filing date	"X" document of	particular relevance; the	claimed invention cannot be		
"L" document which may throw doubts on priority obtains		COMMUNICATION II	cument is taken alone	red to involve an inventive step		
establish the specified)	ne publication date of another citation or other special reason (as	"Y" document of	"Y" document of particular relevance: the claimed investigation			
"O" document	referring to an oral disclosure, use, exhibition or other means	combined wi	in one or more other such	when the document is		
		being obviou	s to a person skilled in the	art		
"P" document published prior to the international filing date but later than the priority date claimed		"&" document me	ember of the same patent f	amily		
Date of the actual completion of the international search		Date of mailing of the international search report				
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Name and mailing address of the ISA/US		Authorized officer 07 MAR 2005				
Mail Comi	Stop PCT, Attn: ISA/US missioner for Patents	Brian Gordon	EPA	(
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orm PCT/ISA/210 (second sheet) (January 2004)						
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International application No. PCT/US04/18642

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INTERNATIONAL SEARCH REPORT	International application No. PCT/US04/18642
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Continuation of B. FIELDS SEARCHED Item 3: East	
Keywords: unidirectional valve, one-directional flow valve, plunger piston, diaphr reservoir, staining, check valve, one way valve, flexible, plunger, piston	agm, metering, deflection, compressible, chamber,

Form PCT/ISA/210 (extra sheet) (January 2004)